

City of Aurora

# 2020 Annual Report

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CDPS Municipal Stormwater Permit No. COS-000003

Aurora Water Environmental Services

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Aurora, Colorado 80012

303.739.7390

CITY OF AURORA

# 2020 ANNUAL REPORT

CDPS MUNICIPAL STORMWATER PERMIT NO. COS-000003

March 4, 2021

Nicole Rowan

Colorado Department of Public Health & Environment

WQCD-P-B2

4300 Cherry Creek Drive South

Denver, CO 80246-1530

Re: CDPS Municipal Stormwater Permit Annual Report for 2020  
CDPS Permit No. COS-000003  
City of Aurora, Adams, Arapahoe and Douglas Counties, Colorado

Dear Ms. Rowan:

As required by the City of Aurora's Municipal Stormwater Permit, enclosed is the CDPS Stormwater Permit Annual Report for 2020. Staff continue to implement programs, expand education and outreach activities, and cooperate fully with other MS4 permit holders statewide through the Colorado Stormwater Council.

If you have any questions regarding this report, please contact me at 303/739-7390.

Sincerely,

Sherry Scaggiari

Environmental Compliance Principal

Enclosure

cc: Marshall Brown

Dan Mikesell

Sean Lieske

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## PART I.F.1 STATUS OF THE COMPONENTS OF THE STORMWATER MANAGEMENT PROGRAM

*Part I.F.1 states, "The implementation status of each [of] the components of the Stormwater Management Programs that are established as permit conditions (status of compliance with any schedules established under this permit shall be included in this section) and including specific quantitative measures wherever possible."*

The Stormwater Management Program for the City of Aurora, Part I.B.1 of the City's permit, consists of five different programs. Each of these programs will be discussed separately. The programs are as follows: Part I.B.1.a Commercial/Residential Management Program, Part I.B.1.b Illicit Discharges Management Program, Part I.B.1.c Industrial Facilities Program, Part I.B.1.d Construction Sites Program and Part I.B.1.e Pollution Prevention/Good Housekeeping for Municipal Operations.

### PART I.B.1.a COMMERCIAL/RESIDENTIAL MANAGEMENT PROGRAM

#### Part I.B.1.a.1 Maintenance of Structural Controls

The City of Aurora's Commercial/Residential Management Program is divided into three major elements: Maintenance of Structural Controls, New Development Planning Procedures, and Assess Impacts of Flood Management Projects. The status of each of these programs will be discussed individually.

The City's maintenance program provides for the maintenance of detention facilities, open channels, and storm sewer inlets. These devices are maintained in a manner that allows them to function as designed without excessive buildup of sediment, trash, or debris. Quantities vary due to the required maintenance for a given year and the number of large scale maintenance projects conducted.

Table A-1 is a summary of training provided to staff for those in the Commercial/Residential Management Program. Table A-2, in the next page, is a summary of the maintenance of structural control activities that have taken place during the reporting period.

**TABLE A-1**  
**Staff Training for City Personnel Responsible for Commercial/Residential Management Program**

Date	Audience	Name of Training	Total Attending
Spring 2020	Public Works	Mile High Flood District (MHFD) Annual Stormwater and Floodplain Seminar (Canceled)	0
Fall 2020	Public Works and Water	Colorado Association of Stormwater and Floodplain Managers Conference (Virtual)	5

<b>Table A-2 Maintenance of Structural Controls Activities in 2020</b>			
Facility	Number of Units	Maintenance Activity	Quantity
Joint Maintenance with MHFD	29 Locations	Debris Removal	225 acres
Detention Ponds - Maintained by Stormwater	96 Ponds	Debris Removal Sediment Removal	361 yd <sup>3</sup> 6422 yd <sup>3</sup>
COA Open Channels to be Maintained Maintenance by SW	81 Miles 98 Miles	Debris/Tree Removal Sediment Removal Vegetation (trim)	557 yd <sup>3</sup> 976 yd <sup>3</sup>
Inspected by ES	55 Miles		221 acres
Overflow Tracts	213	Debris Removal	141 yd <sup>3</sup>
Total Inlets	9312	N/A	N/A
Inlets & Manholes Inspected	3737	Inspection	N/A
Inlets & Manholes Cleaned	51	Debris Removal	75 yd <sup>3</sup>
Total Outfalls	2224	N/A	N/A
Outfalls Cleaned	16	Sediment Removal	1212 yd <sup>3</sup>
Trouble Spots (grates, inlets, outfalls)	222	Debris Removal	117 yd <sup>3</sup>
Total Storm Drain pipes	417 Miles	N/A	N/A
Pipes cleaned (Storm)	4903 Feet	Debris Removal/Vactor	100 yd <sup>3</sup>
Pipes inspected (Storm)	1764 Feet	CCTV inspection	.33 miles
Total Sanitary Lines	1,144 Miles	N/A	N/A
Sanitary Lines Cleaned	4,827,377 Feet	Cleaning	914 Miles
Sanitary Lines Inspected	877,906 Feet	CCTV inspection	166 Miles

## New Development Planning Procedures (Part I.B.1.a.2)

### Plan Review

The City continued implementing its program to incorporate water quality elements in new development planning. These reviews were done to ensure the plans complied with City criteria and with Mile High Flood District's Criteria Manual - Volume 3, Best Management Practices.

In 2020, new development reviews continued even when Aurora staff were utilizing remote work areas as a result of the COVID-19 pandemic. The new development review program reviewed thirty-seven projects that included permanent BMPs requiring Inspection and Maintenance (I&M) manuals.

Some projects were associated with larger developments had their own sub-regional detention water quality ponds with associated I&M manuals or ponds constructed prior to 2008. The remaining projects have either not started construction, the construction is not complete, or the projects are not fully approved. Maintenance agreements for the 2020 I&M manuals have been executed or are in process of being executed.

Aurora reviewed government or public school projects with either maintenance or capital improvement projects. These sites all had construction BMPs. Those projects associated with maintenance had no detention or permanent water quality facilities. There were a limited number of projects reviewed where some of the developments already had detention water quality facilities, but, due to the age of the developments, no I&M manuals were required for those facilities.

**Plan Review, continued**

There were also projects where the builder only needed stormwater quality permits to be able to obtain building permits for "going vertical" on already developed vacant lots. These projects also did not require I&M manuals. Aurora reviewed the dry utility construction projects where only construction BMPs were required as well as stormwater quality permits if the projects exceeded an acre in disturbance. There were 11 master drainage studies/plans, 53 preliminary drainage studies and 49 preliminary drainage letter reviews.

**Cherry Creek Reservoir Basin**

There were 18 reviews (civil plans, including erosion control plans, and preliminary drainage study letter reviews) within the Cherry Creek Basin. The projects reviewed were either:

- 1) pad site development within developments already providing necessary additional requirements; or
- 2) development outside areas required by the control regulation to provide additional water quality treatments.

In accordance with Control Regulation 72, no additional water quality considerations were required.

**Long Term Operation and Maintenance of BMPs**

City code, enacted in 2008, requires the long-term operation and maintenance of permanent BMPs. As noted above, construction was completed on, and Inspection and Maintenance (I&M) manuals for permanent BMPs submitted for 29 projects. Aurora Water inspected 105 permanent BMPs in 2020. There were no enforcement actions regarding permanent BMPs taken in 2020. The City continues to maintain an inventory of permanent BMPs with the location of all facilities requiring I&M manuals.

**Inspection and Enforcement Procedures**

The City has a total of 23 inspectors responsible for ensuring construction projects are in compliance with approved development plans. Typically, twelve inspectors from Aurora Water Project Delivery Services Department are in the field visiting an average of five sites a day per inspector, four Public Works Public Improvement Inspectors working 90 percent of their time in the field, and seven inspectors from the Environmental Service's department ensuring compliance with the various programs of our MS4 permit.

The inspectors concentrate on the construction of water lines, sanitary sewer lines, storm sewer lines, water and sewer service lines, concrete and asphalt roadways (pavement, curb, gutter and sidewalks), overall grading, detention facilities, and specific site grading. These visits range from a few minutes to several hours depending on the nature of the ongoing work and the problems associated with it. The inspectors who performed inspections for Certificates of Occupancy inspected the installation, repair and construction of 27 miles of water line, 18 miles of sanitary sewer and 17 miles of storm sewer throughout the City. In addition to their regular duties, the inspectors also notify the environmental erosion control inspectors of issues of concern. There were no enforcement actions taken during 2020.

#### **Part I.B.1.a.4 Assessment of Impacts of Flood Management Projects**

Requirements for new master planned or designed flood management improvements are established in the City's drainage criteria manual. As a part of the City's ongoing program to maintain channels, improvements were evaluated throughout the year for stability, bank protection and grade control. The following is a list of the flood management facility reviews for 2020.

- Sand Creek MDP and FHAD, started in 2017, estimated completion in 2021
- Third Creek MDP and FHAD, started in 2017, completed in January 2020
- Granby and Sable Ditch MDP, started in 2017, completed in March 2020
- First Creek Tributaries MDP, started in 2018, estimated completion in 2021
- Crooked Run MDP, started in 2019, estimated completion in 2021 or late 2022
- Westerly Creek Dam OSP, started in 2020, estimated completion 2022
- Second Creek Tributaries MDP and FHAD, started in 2020, estimated completion 2023
- Cherry Creek Tributaries MDP and FHAD, started in 2019, estimated completion 2022
- Second Creek MDP and FHAD, started in 2017, estimated completion in 2022
- Irondale Gulch OSP, started in 2018, estimated completion in 2022

*MDP – Major Drainageway Plan; FHAD – Flood Hazard Area Delineation*

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## PART I.B.1.B ILLICIT DISCHARGES MANAGEMENT PROGRAM

The City of Aurora's Illicit Discharges Management Program is divided into several elements: Prevention of Illicit Discharges and Improper Disposal; Illicit Discharge Detection and Elimination; Procedures to Prevent, Contain and Respond to Spills; Educational Activities to Promote Public Reporting of Illicit Discharges and Improper Disposal; Public Education Activities to Promote Proper Management and Disposal of Potential Pollutants; Household Chemical Waste Collection Programs; and Control of Sanitary Sewer Seepage into the Municipal Storm Sewer System. The status of each of these programs will be discussed individually.

### Part I.B.1.b.1 Prevention of Illicit Discharges and Improper Disposal

#### Program Implementation

The City of Aurora continues to implement its illicit discharges program. The City utilizes existing City ordinances and state and federal regulations to stop illicit discharges when they are discovered. In addition, the City's water conservation program is often used to address the discharging of excessive amounts of water to the municipal storm sewer system. Persons caught discharging are subject to receiving notices of violations, summonses, and citations. In 2020, twenty-one employees in Housing and Community Services were trained to recognize illicit discharges and how to report them. Field employees throughout the City are also trained to recognize and report illicit discharges when observed in the field.

#### Non-Stormwater Discharges

The City continued implementing its program to control allowable non-stormwater discharges in compliance with its approved plan. City personnel have been instructed on cleaning practices and the proper use of BMPs.

The aquatics division of the Parks, Recreation and Open Space Department routinely drains City swimming pools in the fall. The pools were drained in compliance with the City's non-stormwater discharges plan.

With the elimination of the treated water discharge general permit and the Division's determination that treated water is a low risk discharge, the City continues its practice of using the BMPs and operating procedures outlined in the treated water management plan submitted as part of the treated water discharge application in June 2007.

### Part I.B.1.b.2 Illicit Discharge Detection and Elimination

#### Inventory of Outfall System

The City maintains and updates an inventory of all outfalls. Any newly constructed outfalls are added to the existing storm sewer mapping. The City continues to update the storm sewer inventory and maps as new development occurs or modifications to the MS4 are completed.

#### Investigation of Suspected Illicit Discharges

The City continued its Illicit Discharges Program in an effort to locate and eliminate suspected sources of illicit discharges. The Aurora Water Department responds to all complaints from citizens of potential illicit discharges.



The Water Department received and investigated 73 complaints with the potential to impact stormwater quality in 2020. See Table 8-3 in section 8 for complaint and incident response information.

### **Training**

Illicit discharge detection is discussed during stormwater awareness training presented to 170 employees from Parks, Recreation and Open Space; Public Works; Fleet Maintenance; Facilities Management and Aurora Water staff.

### **Follow-up on Illicit Discharges**

The City responds appropriately to all instances of reports by citizens and city staff of illicit discharges and disposal. In 2020, staff investigated 73 complaints of possible illicit discharges. All citizen complaints of illicit discharges are inspected within 24 hours of notification. All complaints are recorded and investigations are documented.

### **Notice of Violation**

The City tries to work with the source of an illicit discharge by encouraging the responsible party to comply with the program by stopping the discharge or obtaining an applicable CDPS permit. Where necessary, the City takes legal action to ensure compliance. During 2020, three illicit discharge incidents were referred to Community and Housing Services for possible code violation. Violators are instructed to contact the Colorado Department of Public Health and Environment Technical Services Section in all instances where sanitary sewer discharges are detected.

The City imposes compliance schedules for elimination of the discharge into the storm sewer when deemed appropriate. Follow-up inspections are also conducted when necessary. All incidents of non-compliance were satisfactorily resolved to eliminate the discharge.

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### **Part I.B.1.b.3 Procedures to Prevent, Contain, and Respond to Spills**

The City of Aurora has a plan for dealing with spills and an Administrative Policy Memorandum on proper notification. The elements of this plan were discussed in Part 2 of the original stormwater permit application. The City has implemented the program as described in that permit application.

The Fire Department performs annual inspections of facilities within the City to ensure there is proper storage of materials on site. The Fire Department also has a key role in ensuring spills are controlled by using appropriate containment and berms to prevent pollutants from reaching the municipal separate storm sewer system (MS4). In the event of a spill, the Fire Department responds and attempts to dry and dike or plug the system containing the pollutants before they can reach a storm inlet. In some instances, primarily those where human safety is a concern, the Fire Department can determine to flush the spill if it is the most appropriate response. During 2020, the Fire Department responded to spills, with the Hazmat Team responding to 8 of the spills. No spills reached the storm drain system.

**Part I.B.1.b.4 Educational Activities to Promote Public Reporting of Illicit Discharges and Improper Disposal and,****Part I.B.1.b.5 Public Education Activities to Promote Proper Management and Disposal of Potential Pollutants**

Some of the highlights of 2020 include: 1) the teacher training program entitled Forests to Faucets, an intensive four day training for teachers covering water supply, watersheds, water treatment, water quality and water quality monitoring. In 2020 attendance was limited to 10 teachers; 2) 309 classroom, school presentations and/or youth presentations on pollution prevention, water quality and/or conservation reaching approximately 16,867 students; 3) the Senac Nature Center which attracted 5,079 visitors; 4) annual youth water festival was converted to a virtual program and shared with 1,600 students; 5) 1,883 pet waste collection bags and bag holders distributed to pet owners throughout Aurora.

The Senac Nature Center continued to attract visitors and provided education on water quality and stormwater pollution prevention. There were 3,729 individuals who attended presentations on stormwater and water quality at the facility. Senac Nature Center had 2,833 drop-in visitors while Morrison Nature Center had 4,333 drop-in visitors who were exposed to the water quality exhibits and education materials. The “talking storm drain” at the reservoir educates an unquantifiable number of passers-by with a “no dumping” message 24 hours a day, 7 days a week.

Approximately 1,883 Aurora pet owners received pet waste bags and bag holders in an effort to encourage pet owners to clean up after their pets. Approximately 152 pet waste bag holders and bags were distributed through the Aurora Animal Shelter, Morrison Nature Center, local pet events and during dog training classes sponsored by the City. The slogan “Big? Small? Pick up after them all.” was added to the containers as part of an expanded, award winning pet waste pickup outreach campaign to address nutrients. The effort includes postcards and a Facebook pickup pledge to further encourage responsible pet ownership. Additional bags and containers have been purchased for distribution in 2021.

In the past, the Parks, Recreation & Open Space Department sponsored Park Steward projects in which volunteers logged hours performing trash removal and maintenance at open spaces and parks near local waterways which included Red-Tailed Hawk Park, Mountain View Park, Golden Eagle Park, Appaloosa Park, Aqua Vista Park, Centre Hills Park, Expo Park, Generals Park, Olympic Park, Rocky Ridge Park, Settlers Park, Wheel Park, Wagon Trail Park. However, due to the COVID pandemic, the Parks, Recreation & Open Space Department was unable to conduct volunteer projects or host any new Park Stewards projects in 2020.

H2O Outdoors – Aurora Water continued to partner with Denver Water, Colorado River District, and Keystone Science School to provide a water education outreach program for teens. In the three-day water camp started in 2011, high school students learn in-depth information about water conservation in Colorado and how our everyday activities affect water quality. The experience consists of hikes to the Continental Divide, lessons on source water protection/water rights, and how personal behavior changes can improve water quality downstream.

Utilizing what is learned over the previous two days, students take on a unique stakeholder role and participate on day three in a mock town hall, debating their interests as they pertain to water quality and/or quantity. Participants are asked to take detailed notes on the learning goals met and report back to their individual schools what they learned.

Informational packets were distributed at Aurora libraries and recreation centers or were mailed to people who called in to the City requesting the information. The alternative guide and links to recycling resources are available on the City's website. In addition, pollution prevention and spill reporting information were included in all welcome packages given to all new residents of Aurora in 2020.

There were 85 illicit discharge (stormwater pollution) door hangers distributed in areas where illicit discharges were investigated in 2020. The illicit discharge reporting phone number is available on brochures, website and educational materials provided to the public. Responsible parties were also educated about illicit discharges in person when identified and available.

A bilingual laminated poster entitled "Complying with Storm and Sanitary Sewer Requirements – Guidelines for Restaurants" was distributed to restaurants in the City. The poster discusses ways restaurants can keep grease and other wastes from getting into the storm and sanitary sewers. When an inspection of a restaurant's grease interceptor is conducted, a copy of the document is given and explained to management. Homeowner's Guide to Sewer Lines were distributed to 142 residents in areas where issues with grease in the wastewater system were found.

### Cherry Creek Basin

The City continued to work with Douglas County through CLEAR (Cooperative for Local Environmental Awareness & Responsibility) and Arapahoe County to increase public education and outreach to residents in the Cherry Creek Basin.

Aurora Water continues as an active participant and financial sponsor of the Cherry Creek Stewardship Partners, particularly the education committee. Other educational activities conducted by the Partners include youth education field trips, adult education programs, science fair judging, vegetation management and wetland planting efforts. Details of these efforts may be found in the Cherry Creek Stewardship Partners 2020 Annual Report available through the partnership.

<b>Item</b>	<b>Dates</b>
5 <sup>th</sup> Grade Aurora Water Youth Water Festival (Virtual)	Spring 2020
Forest to Faucets Teacher Training Workshop (Virtual)	Summer 2020
Spill Training – 360Training.com Online	Fall 2020
Xeriscape seminars and demos (related to pesticides and herbicides)	throughout 2020
Classroom presentations to elementary, middle and high schools in Aurora on pollution prevention and water quality	throughout 2020
Citywide training of staff on stormwater awareness	throughout 2020
Senac Nature Center presentations and education on water quality, stormwater and healthy watersheds	throughout 2020
Distributed pet waste bags and leash attachable bag holders to pet owners throughout Aurora	throughout 2020
Stormwater pollution prevention information in new resident packages distributed to new Aurora Water customers	throughout 2020

### Part I.B.1.b.6 Household Chemical Waste Collection Programs

Due to the Pandemic in 2020, the City of Aurora had to cancel its annual Household Chemical Roundup. To replace the event, Aurora expanded the door to door household hazardous waste curbside collection program.

Residents are allowed two collections per calendar year. Ads for the program ran in the water bill multiple times over the year and flyers promoting the program were distributed throughout the City. Information on the program was also included on the Aurora Water website and in the water bill newsletter. Customers' responses submitted on comment cards continue to be extremely favorable. During 2020, 347 residents participated in the door to door hazardous waste collection program for a total of 14,302 pounds of waste collected. The curbside collection program has been funded for 2021.

In addition to the Roundup, the City continues to notify the public of disposal options by providing names and locations of used oil and other automotive product recycling centers through City and other publications, its website, and local cable TV. In addition, the City provides information and encourages residents to properly dispose of unused paint and not to over-buy hazardous products while using safe alternatives.

Environment Aurora is comprised of staff from different departments around the city who all strive to think and act green. Activities undertaken include the following

- providing education and outreach to the public on renewable energy and energy efficiency for homes and businesses
- posting environmental information for the public on the internet
- three public electronic recycling events were held in 2020 with a total of 99,197 lbs. collected; 63 lbs of alkaline and zinc batteries were dropped off to be properly disposed of; Central Facilities recycled miscellaneous abandoned waste filling one 55 gallon drum; 148 mattresses and box springs were collected at Springback Colorado's Mattress Recycling event totaling over 9,000 lbs.; Tire Recycling event was not held in 2020

Recycled Material	Program	Quantity
e-waste	Collection Events	99,197 lbs
Alkaline & Zinc batteries	Universal Waste Program & America Recycles Day	63 lbs
Misc Waste	America Recycles Day	55 gallons

### **Part I.B.1.b.7 Control of Sanitary Sewer Seepage into the MS4**

The City has continued to implement its Sanitary Sewer Seepage Program. A total of 166 miles of the 1,144 miles of sanitary sewer lines were inspected by closed circuit TV and 914 miles of line were cleaned in 2020. Any problems or issues found during the effort were addressed.

### **PART I.B.1.c INDUSTRIAL FACILITIES PROGRAM**

The City continues to implement the program as outlined in the Industrial Facilities Program plan. Brochures were distributed to industrial and commercial sites throughout Aurora during educational visits, sand/oil interceptor inspections and fire code inspections in 2020.

### **PART I.B.1.d CONSTRUCTION SITES PROGRAM**

The City of Aurora's Construction Sites Program is divided into several elements, including Procedures for Site Planning, Cherry Creek Basin, Structural and Non-Structural Best Management Practices (BMPs), Procedures for Site Inspection and Enforcement, and Training and Education for Construction Site Operators. The status of each of these programs will be discussed individually.

#### **Part I.B.1.d.1 Procedures for Site Planning**

In 2020, the City continued implementing its procedures for construction site plan review with site plans being submitted despite the COVID-19 pandemic. The checklist included in Aurora's Rules and Regulation was updated in November 2010 and was utilized in 2020 with no changes. Table C-1 summarizes the staff training during 2020 under this program.

**Table C-1**

#### **Staff Training on Implementation of the Procedures**

Date	Target Audience	Training Topic	Total Number Attending
2/12/2020	Aurora Water	2020 Regional Stormwater Seminar	5
8/13/2020	Aurora Water	Stormwater Compliance Dems & More Than Inspections	3
10/30/2020	Aurora Water	Floodplain 101	1

#### **Cherry Creek Basin**

Erosion control inspections within Cherry Creek Basin during 2020 totaled 481 inspections conducted, with 11 enforcement actions taken. (See Section 8 for inspection and enforcement details.)

#### **Part I.B.1.d.2 Structural and Non-Structural Best Management Practices**

In 2020, the City continued implementing its program to incorporate structural and nonstructural BMPs into construction practices. The minimum technical requirements for all BMPs were those specified in the City issued Rules & Regulations Regarding Stormwater Discharges Associated with Construction Activities (the manual). Due to the COVID-19 pandemic, Aurora staff were unable to attend the Permanent Stormwater BMP Inspection Workshop nor the Post Construction BMP training as both trainings were canceled.

### **Part I.B.1.d.3 Procedures for Site Inspection and Enforcement**

In 2020, the City continued implementing its procedures for site inspection and enforcement. A total of 132 stormwater quality permits were issued in 2020. During 2020, there were 4,216 inspections of construction sites for erosion control and 199 enforcement actions and follow-up actions. A listing of enforcement actions are included in the Section 8 tables (pages 20-35).

As required by the current permit, the enforcement escalation policy was revised and accepted by the Division in June 2010 and implementation continues.

### **Part I.B.1.d.4 Training and Education of Construction Site**

The City continues to implement its program to train and educate construction site operators. New permitted sites are reviewed and are required to maintain a copy of the manual on site at all times. Erosion Control Kick-Off meetings are held with developers, builders, their engineers and sub-contractors/trade partners who have not recently conducted business within the City of Aurora.

The environmental inspections group conducted more than 127 educational forum meetings with major builders, other City departments and land owners working in Aurora. These meetings consisted of erosion control kick off meetings held prior to beginning work and specific training sessions on a variety of details and general program updates. These forums were held to review and explain the significance and requirements of the program. General topics included a discussion of water quality, permitting conditions, preserving BMPs and the City inspection process. In addition, there were 100 compliance assistance meetings/discussions held with various interested parties.

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## **PART I.B.1.e POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

### **Part I.B.1.e.1 City Owned Operated Industrial Facilities**

The City does not own or operate any industrial facilities subject to a separate stormwater discharge permit. The Sand Creek Water Reuse Facility has a No Exposure Exclusion Certification (CONOX0195).

### **Part I.B.1.e.2 Municipal Facility Runoff Control Plans**

Annual inspections of the golf courses and all of the City's maintenance facilities were conducted in 2020. Minor issues were identified at several facilities required to maintain MFRCs and Aurora Water worked with facility staff and other city departments to implement corrective actions to address the issues.

Municipal Facility Runoff Control Program training was conducted with site employees throughout 2020.

### Part I. B.1.e.3 Operations and Maintenance Procedures

Procedures for municipal operations with the potential to impact stormwater quality were reviewed and/or developed in 2011 to include best management practices to prevent or minimize stormwater runoff from municipal operations. These plans are available to all employees on the City's intranet site. The Environmental Awareness training covers standard operating procedures developed under this requirement. Approximately 170 City employees with responsibilities related to these operations attended this training in 2020. Additional training was provided for Aurora Water conservation employees, parks and open space supervisors and public works employees.

#### Public Street Maintenance

The City's Public Street Maintenance Program is divided into several different elements, including Snow and Ice Management, Salt and Sand Storage, Herbicide Use along Roadways, Sweeping Leaf Litter and Debris, Sweeping Sanded Streets, and Disposal of Sweeper Waste.

#### Snow and Ice Management

On average, Aurora experiences 25 snow events each year producing 61 inches of snow. Snow and ice control measures are directed by the City's Snow Plan to ensure that stormwater and air quality goals are met. Since 1999, Aurora has committed to ongoing reductions in sand application with a higher reliance on chemicals for ice control. Careful control of application rates helps ensure that deicing chemicals are sufficiently diluted with snow melt. The winter of 2020 produced 30 storms producing 101 inches of snow. A total of 11,637 tons of granular deicing material was used and 798,262 gallons of liquid deicer was applied in 2020.

#### Salt and Sand Storage

The City continues to implement appropriate salt and sand storage practices at two sites. Table D-1 lists the locations of the piles and a summary of the practices imposed.

Location of Salt or Sand Pile	Type of Pile	Methods Implemented
North Satellite	Salt, sand, and combination	Salt is stored in a salt dome. Sand and salt combination is stored in storage tents and outside.
South Satellite	Salt, sand, and combination	Salt is stored in salt domes. A small asphalt berm on the downstream side of the salt/sand storage area limits runoff.

#### Herbicide Use Along Roadways

The City of Aurora has implemented its roadway vegetation control program as proposed in the original stormwater permit application. Efforts are aimed at controlling vegetation along streets. Where possible, mowing is the preferred method of vegetation control. The City uses only commercially available general use garden chemicals not subject to special permits. The City uses spray equipment to limit over spraying. The Parks, Recreation and Open Space Department requires personnel working with restricted pesticides to be certified according to the guidelines of the Pesticide Applicators Act of Colorado.

### Street Sweeping

The Public Works Department manages a city-wide street sweeping program in support of stormwater quality goals. The City's 1,208 miles of streets and 14 miles of primary state (non-interstate) highways are swept multiple times each year. Two full curb to curb sweepings occur each year in the spring and fall plus, curb and spot sweeping are performed all year as weather allows. In 2020, a total of 32,264 pass miles were completed collecting 15,304 cubic yards (21,425 tons) of debris.

### Disposal of Sweeper Waste

The City continues to transport its street sweeper wastes to the Denver Arapahoe Disposal Site (DADS) Site Landfill where the wastes are either disposed of or used as daily cover.

### Pesticides, Herbicide and Fertilizer Applications

The City continued implementing its plan to reduce the amount of pollutants related to application of pesticides, herbicides, and fertilizers and follow procedures outlined in the Pesticide, Herbicide and Fertilizer Stormwater SOP.

Outreach information was developed in 1999 for distribution to Aurora's utility customers and other City residents regarding lawn care, landscaping, erosion control and managing your household wastes. The brochure entitled "Caring for Your Lawn and Garden" discusses use of fertilizers, pesticides, and herbicides as well as alternative methods to control weeds and pests. Household hazardous waste and lawn care information is included in the new resident information sent out to new water customers in Aurora. Aurora Water's conservation programs were adjusted to virtual platforms during the spring of 2020 and discussed water conservation including minimizing or eliminating the use of fertilizers. Ten online classes are also available on the Aurora Water website.

During 2020, the following items were accomplished:

TABLE D-2

**Summary of Preparation and Distribution of Educational Materials on Pollution Prevention Procedures for Storage, Disposal, and Application of Pesticides, Herbicides, and Fertilizers and Training Provided to City Staff That Use Pesticides, Herbicides, and Fertilizers in Public Rights-of-Way and Municipal Facilities**

Program Element	Educational Program	Comments
Distribution of educational materials to the public	Pollution Prevention and Waste Reduction Brochures/Information	Provided citizens with information on curbside disposal option; ran articles in water bill newsletters.
Training of City staff	Pesticide spraying and recordkeeping	48 employees
Pesticide/Vegetation Control Conference	CALCP	CALCP training unavailable in 2020



## PART I.F.2 PROPOSED CHANGES TO THE STORMWATER MANAGEMENT PROGRAM

*Part I.F.2 states, "Proposed changes to the Stormwater Management Program that are established as permit conditions, including an update on areas added to the MS4 due to annexation or other legal means;"*

### **Changes to the Stormwater Management Program**

No changes in the Stormwater Management Program are noted for the following programs:

**Commercial/Residential Management**

**Illicit Discharge Management**

**Public Education Activities to Promote Proper Management and Disposal of Potential Pollutants**

**Industrial Facilities**

**Construction Sites**

**Pollution Prevention/Good Housekeeping for Municipal Operations**

**Commercial/Residential Management Program**

### **Update on Areas Added to the MS4**

The City had four annexations of 63.6 acres in 2020 increasing the total area of the City to 164 square miles.

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## PART I.F.3 REVISIONS TO ASSESSMENT OF CONTROLS AND FISCAL ANALYSIS

*Part I.F.3 states, "Revisions, if necessary, to the assessment of controls and the fiscal analysis reported in the permit application under 61.4(3)(c)(ii)(E) and (F)"*

*Part 61.4.(3)(c)(ii)(E) states, "Assessment of Controls Estimated. Reductions in loadings of pollutants from discharges of municipal storm sewer constituents from municipal storm sewer systems expected as the result of the municipal stormwater quality management program. The assessment shall also identify known impacts of stormwater controls on groundwater."*

*Part 61.4.(3)(c)(ii)(F) states, "Fiscal Analysis. For each fiscal year to be covered by the permit, fiscal analysis of the necessary capital and operation and maintenance expenditures necessary to accomplish the activities of the programs under Part 61.4.(3)(c)(ii)(C). Such analysis shall include a description of the source of funds that are proposed to meet the necessary expenditures, including legal restrictions on the use of such funds."*

No revision to the "Assessment of Controls" or the "Fiscal Analysis" is needed at this time. The budget for compliance with the permit is in Section 7.

## PART I.F.4 SUMMARY OF MONITORING DATA

*Part I.F.4 states, "A summary of the data, including monitoring data that is accumulated throughout the reporting year;"*

### Dry Weather Screening

Dry weather screening is no longer specifically required under the current permit term however, if discharges are discovered that require sampling to determine source, samples are collected and analyzed. No discharges were discovered, therefore there were no samples taken in 2020.

### Industrial Facilities Program

No samples were taken at any industrial facilities since no discharges were observed.

## PART I.F.5 MUNICIPAL FACILITY RUNOFF CONTROL PLANS

*Part I.F.5 states, "List of the facilities with runoff control plans as required under this permit at Part I.B.1.e, a summary of conformity with their plans, and a summary of any significant plan revisions;"*

Table 5-1 lists the municipal facilities, status of plan completion, their conformity to the plan and any significant changes. Municipal Facility Runoff Control Plans will be reviewed and updated as necessary in 2021.

Facility	Major or Minor Facility	Date Plan Completed	Conformity to Plan?	Significant Changes?
North Satellite	Major	February 1997 Revised 2011	Yes	None
Central Facility	Major	November 1999 Revised 2020	Yes	None
South Satellite	Major	November 1999 Revised 2011	Yes	None
Nome St. Facility	Major	December 2007 Revised 2015	Yes	None
Golf Courses, Aurora Sports Park & Reservoir Maintenance	Minor	October 1997 Revised 2014	Yes	None

## PART I.F.6 SUMMARY OF EDUCATIONAL ACTIVITIES

*Part I.F.6 states, "Summary of Educational Activities;"*

The City's educational activities are listed under the respective Stormwater Management Programs. Please see Section 1 for this information.

## PART I.F.7 ANNUAL EXPENDITURES AND BUDGETS

*Part I.F.7 states, "Annual Expenditures for the past reporting year, and budget for the next reporting year;"*

### 2020 Expenditures and Budget for 2021

The estimated cost of complying with the CDPS stormwater permit for the year 2020 was approximately \$2,200,000. It is anticipated that the budget for 2021 will be approximately \$2,244,000, representing a 2% increase.

Many of the ongoing activities are expenditures of the general operating budget of the City, such as engineering review for development. Other activities are expenditures of the utility enterprise of the City of Aurora. For example, the control of sanitary sewer seepage is a function of the wastewater utility. Maintenance of structural controls, most public education programs, wet weather monitoring, and similar activities are a function of the storm drainage utility. Utility funds are restricted for use in the specific function of the utility.

## PART I.F.8 SUMMARY OF ENFORCEMENT ACTIONS AND INSPECTIONS

*Part I.F.8 states, "A summary of the number and nature of enforcement actions and inspections;"*

### Enforcement Actions - Illicit Discharges

There were three spill/illicit discharges referred to Community and Housing Services for code violations in 2020.

Table 8-1

Date	Address	Reason for Action/Resolution
1/23/20	17466 E Bellwood Circle	Trash and debris – Code Enforcement issued citation
7/9/20	E 4th Ave and Sable Blvd	Automotive fluid possible illegal activity- Mitigated by responsible party
12/8/20	980 Oakland Street	Automotive oil—Mitigated by resident

### Enforcement Actions - Erosion Control

Table 8-2 on pages 20 - 32 lists the 56 locations where a total of 104 enforcement actions were taken, the reason for action, and the compliance measures performed.

## PART I.F.8 SUMMARY OF ENFORCEMENT ACTIONS - EROSION CONTROL TABLE

Table 8-2 continued

Abbreviations in the table include the following: NOV - Notice of Violation, SWO - Stop Work Order, ICO - Immediate Clean Up Order, EH - Environmental Hold, BMPs - Best Management Practices, CS - curb socks, CW - concrete washout, DD - diversion ditch, IP - inlet protection, LOC - limits of construction, SB - sediment basin, SF - silt fence, SS - slope and surface stabilization, ST- sediment trap, SWQP - stormwater quality permit, VTC - vehicle tracking controls.

Date	Project	Action Taken	Reason for Action	Resolution
	<del>Adonea Filing 7 - Lennar</del>			
10/12/20		NOV	Failure to implement and maintain materials waste and VTC	Implemented and maintained materials waste and VTC
	Century City Condominiums Filing 1 - Century Communities Inc			
4/1/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC
7/16/20		NOV#2	Failure to implement and maintain VTC	Implemented and maintained VTC
	Costco Aurora Depot - Costco Wholesale Corporation			
10/9/20		NOV	Failure to implement and maintain IP	Implemented and maintained IP
	Cross Creek 3 - Richmond American Homes			
1/14/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
	Fitzsimmons Peoria Stormwater Outfall Project - COA			
2/19/20		NOV#2	Failure to implement and maintain IP	Implemented and maintained IP
	Fitzsimons Promenade 1 -AMDT 1 – Alliance Constructors			
12/9/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC
	Fitzsimons Village Subdivision Filing 5 – Catamount Constructors			
12/9/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	Hampden Town Center 9 – Dayton Station CO LLC			
1/7/20		ICO	Pollutants left site, impacting adjacent property	Mitigated pollutants and maintained BMP's
7/16/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
9/2/20		NOV	Failure to implement and maintain material waste	NOV#2
9/14/20		NOV#2	Failed NOV	Implemented and maintained materials waste
9/14/20		NOV#2	Failure to implement and maintain SF	SWO

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
9/16/20		SWO	Failed NOV#2	Implemented and maintained SF
10/14/20		SWO	Failure to implement and maintain SF	Implemented and maintained SF
	Hampden Inn and Suites – Shri <u>Vanavak</u> Inc			
8/19/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	Harmony 2 <u>Melcor</u> – <u>Melcor</u> Developments			
7/13/20		NOV	Failure to implement and maintain SF	NOV#2
7/22/20		NOV#2	Failed NOV	Implemented and maintained SF
	Harmony Filing 3 – Century Communities			
8/6/20		SWO	No active SWQP	SWQP activated
	Harmony Filing 8 – DR Horton/Melody Homes			
9/15/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	Harmony – Filing 4-7 - Dream Finders			
11/12/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	Heather Ridge Village Brookhaven Condos – <u>Lokal</u> Homes			
11/6/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
	High Plains Country Club – 27270 E Nova Cir – Pinnacle Homes			
11/18/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	High Plains Country Club Filing 3 – Lennar Vertical			
11/18/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC
	High Point @ DIA Filing 8 – <u>Forestar</u> Real Estate			
5/12/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
7/9/20		NOV#2	Failure to implement and maintain SF	Implemented and maintained SF
10/14/20		SWO	Failure to implement and maintain SF	Implemented and maintained SF
	Highpoint @ DIA Filing 9 – <u>Forestar</u> Real Estate			
3/10/20		SWO	Failure to implement and maintain SF	Implemented and maintained SF
	Highpoint Park Subdivision Filing 1 – ACM High Point VI LLC			
10/13/20		NOV	Failure to implement and maintain SF	NOV#2
10/13/20		NOV	Failure to implement and maintain SS	NOV#2

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
10/20/20		NOV#2	Failed NOV	Implemented and maintained SF
10/20/20		NOV#2	Failed NOV	Implemented and maintained SS
	High Point @ DIA Filing 8&9 – <u>Forestar</u> Real Estate			
9/14/20		NOV	Failure to implement and maintain SS	NOV#2
10/14/20		NOV#2	Failed NOV	Implemented and maintained SS
	Horizon Uptown Filing – Lendlease LLC			
10/8/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	Horizon Uptown Filing 1 – Melody Homes/DR Horton			
9/15/20		SWO	No active SWQP	SWQP activated
	Karis Capital Site 225 – P8 D-C Industrial Site 225			
5/20/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	Norfolk Tech Center Subdivision Filing 1 – <u>Judco</u> Storage Properties			
12/22/20		NOV	Failure to implement and maintain SF	NOV#2
12/29/20		NOV#2	Failed NOV	Implemented and maintained SF



Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
	Old Aurora Landfill/Cottonwood Industrial Park – HR Acquisitions			
3/10/20		NOV	Failure to maintain VTC	NOV#2
3/16/20		NOV#2	Failed NOV	Implemented and maintained VTC
4/9/20		SWO	Failure to implement and maintain VTC,	Implemented and maintained VTC, SS and materials waste
	Painted Prairie Onsite Residential – Painted Prairie Metro District 1			
3/5/20		NOV#2	Failure to implement and maintain SF	Implemented and maintained SF
	<u>Picadilly</u> Electrical Substation Filing 1 – Public Service Company of Colorado			
11/4/20		NOV	Failure to implement and maintain LOC	Implemented and maintained LOC
	Pomeroy Filing 1 – Caliber @ Southlands – Garret Company			
8/12/20		ICO	Failure to implement and maintain reinforced SF, Dewatering BMP's	Implemented and maintained reinforced SF and Dewatering BMP's
11/17/20		ICO	Discharging into waterway	State contacted; sediment mediated
	Pomeroy Filing 1 – Infrastructure – Garret Company			
8/12/20		ICO	Failure to implement and maintain SF	Implemented and maintained SF

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
	Providence at the Heights – Providence at the Heights LLP			
1/9/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC
1/24/20		NOV	Failure to implement and maintain SF	NOV#2
1/30/20		NOV#2	Failed NOV	Implemented and maintained SF
	Range View Apartments – DBG Properties			
7/21/20		ICO	Failure to implement and maintain OP	Implemented and maintained OP
8/3/20		NOV	Failure to implement and maintain materials waste	Implemented and maintained materials waste
9/3/20		SWO	Failure to implement and maintain IP and SS	Implemented and maintained IP Action plan for SS
9/3/20		NOV#2	Failure to implement and maintain VTC and materials waste	Implemented and maintained VTC and materials waste
	Rockinghorse Filing 4 – Richmond Homes			
12/9/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	Saddle Rock North Filing 3 – 22482 E Peakview Dr – Abeyta Homes			
10/1/20		NOV	Failure to implement and maintain materials waste	Implemented and maintained materials waste

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
10/1/20		NOV	Failure to implement and maintain materials	Implemented and maintained materials waste
	Saddle Rock Townhomes - Montano Homes			
3/6/20		SWO	Failure to implement and maintain SF	Implemented and maintained SF
8/7/20		SWO	Failure to implement and maintain SF	Implemented and maintained SF
8/7/20		ICO	Pollutant discharged into private storm sewer	SWO
8/10/20		SWO	Failed ICO	Pollutant mediated
	Shalom 4 – Century Communities			
10/21/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
12/7/20		NOV#2	Failure to implement and maintain SF	Implemented and maintained SF
	Sorrel Ranch 3 – Lokal Homes			
7/13/2020		NOV	Failure to implement and maintain SF and VTC	Implemented and maintained SF and VTC
10/5/20		NOV	Failure to implement and maintain CW	Implemented and maintained CW
10/5/20		NOV#2	Failure to implement and maintain SF	SWO
10/12/20		SWO	Failed NOV#2	Implemented and maintained SF
	Southshore Filing 16 – Richmond Homes			

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
6/8/20		NOV	Failure to implement and maintain SF	NOV#2
6/15/20		NOV#2	Failed NOV	Implemented and maintained SF
	Southshore Filing 17 - Richmond			
7/14/20		NOV	Failure to implement and maintain CW and materials waste	Implemented and maintained CW and materials waste
	Stapleton Aurora 3/Solana Apartments - <u>Revlenn</u> Properties LLC			
4/1/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC
	TAH 38 <sup>th</sup> Ave _ Aerotropolis Metro District			
4/22/20		NOV	Failure to implement and maintain SB	Implemented and maintained SB
	TAH 38 <sup>th</sup> Place - Aerotropolis Metro District			
5/28/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	TAH 42 <sup>nd</sup> Ave Phase 1 - Aerotropolis Metro District			
8/19/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
	TAH Aura Blvd Phase 1 - Aerotropolis Metro District			
8/19/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
	TAH Community Markers – Aerotropolis Metro District			
8/18/20		NOV	Failure to implement and maintain DD	Implemented and maintained DD
	TAH Filing 1 – Aerotropolis Metro District			
4/22/20		NOV	Failure to implement and maintain SF	Implemented and maintained SF
6/18/20		NOV#2	Failure to implement and maintain SF	SWO
6/23/20		SWO	Failed NOV#2	Implemented and maintained SF
7/28/20		NOV	Failure to implement and maintain IP	Implemented and maintained IP
7/31/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC
	TAH Mainstreet Phase 1 – Aerotropolis Metropolitan District			
12/2/20		NOV	Failure to implement and maintain DD and SB	Action Plan submitted
	TAH Mainstreet Phase 2 – Aerotropolis Metropolitan District			
7/27/20		NOV	Failure to implement and maintain SF and VTC	Implemented and maintained SF and VTC

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
8/19/20		NOV#2	Failure to implement and maintain SF	Implemented and maintained SF
	TAH Mainstreet Phase 3 – Aerotropolis Metropolitan District			
7/27/20		NOV	Failure to implement and maintain CW	NOV#2
7/31/20		NOV#2	Failed NOV	Implemented and maintained CW
11/23/20		SWO	Failure to implement and maintain CW	Implemented and maintained CW
11/23/20		NOV	Failure to implement and maintain SS	Action Plan submitted
12/7/20			Failure to implement and maintain VTC	Implemented and maintained VTC
	TAH Filing 1 – Richmond Homes			
5/21/20		SWO	No active SWQP	SWQP activated
9/25/20		NOV	Failure to implement and maintain SF	Implemented and maintained
	Tallyn's Reach 15 – 24933 E Irish Drive – McHugh Construction LLC			
1/22/20		NOV	Failure to implement and maintain VTC and SF	NOV#2
1/27/20		NOV#2	Failed NOV	Implemented and maintained VTC and SF
	TLC Dog Wash – Anderson			

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
	Tower Business Center- United Properties			
3/4/20		ICO	Failure to implement and maintain LOC	ICO#2
3/10/20		ICO#2	Failed ICO	Implemented and maintained LOC
5/14/20		SWO	Failure to implement and maintain SF	Implemented and maintained SF
	Waterstone Filing 1 Phase 3 - Lennar			
6/19/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC
7/16/20		NOV#2	Failure to implement and maintain VTC	Implemented and maintained SF
	Whispering Pines Filing 4 - 7901 S Langdale Way - Northstar Custom Homes			
10/28/20		NOV	Failure to implement and maintain VTC	Implemented and maintained VTC
	Whispering Pines Filing 4 - 7902 S Langdale Way - Northstar Custom Homes			
10/28/20		NOV	Failure to implement and maintain VTC and CW	NOV#2
11/10/20		NOV#2	Failed NOV	Implemented and maintained VTC and CW

Table 8-2 continued

Date	Project	Action Taken	Reason for Action	Resolution
	Williams Mesa _ Kittredge Development LLC			
9/23/20		NOV	Failure to implement and maintain IP	Implemented and maintained IP
12/21/20		NOV	Failure to implement and maintain SF	NOV#2



## Investigations - Illicit Discharge

Table 8-3 lists the 45 investigations made under the Illicit Discharges Management Program.

Date	Incident Location	Material	Responsible Party	Resolution
1/14/2020	S Nucla Way & S Mission Pkwy	Unknown	Unknown	Material absorbed
1/17/2020	17th & Iola S/W corner	Blood	Unknown	Custom Environmental mitigated
1/23/2020	17466 E. Bellwood Circle	Automotive fluid	Homeowner	Mitigated by responsible party
1/23/2020	15607 E. 7th Ave.	Automobile fluid	Homeowner	Mitigated by responsible party
1/23/2020	4197 S. Mobile Circle	Automotive fluid	Homeowner	Mitigated by responsible party
1/31/2020	S Oakland St and E Arkansas Ave	Unknown/fuel or oil	Unknown	Mitigated by Custom Environmental
1/31/2020	Alameda Parkway and Columbia Creek	Sanitary waste/broken pipe	Unknown	Mitigated by Custom Environmental/CDPHE notified
2/27/2020	14401 E 33rd Pl	Sanitary waste	Colorado Quality Products	Mitigated by Custom Environmental
3/3/2020	1428 Galena	Sanitary waste	HOA	Mitigated by responsible party/referred to TCH
3/16/2020	6th and Laredo	Unknown/Sludge	COA	Mitigated by COA
3/24/2020	408 S Ouray St	Fuel/oil from equipment fire	Meritage Homes	Mitigated by responsible party
3/30/2020	591 Nome St	Automobile fluid (oil)	Resident	Mitigated by responsible party
4/27/2020	3250 N Quentin Street	Sprinkler line broke	Owner	No further action required
5/6/2020	3032 S Biscay Cir	Unknown	Unknown	No further action required
5/25/2020	E. Florida Ave. and S. Fulton Street	Automotive Fluid	Apres Apartment Complex	Mitigated COA Fire Department
5/26/2020	2864 S. Ouray Way	Automotive fluid	Unknown	No further action required
5/28/2020	1050 S. Dearborn St	Sanitary waste	Resident	Mitigated by responsible party /reported to CDPHE

Table 8-3 continued

Date	Incident Location	Material	Responsible Party	Resolution
6/16/2020	16800 E Centretech Pkwy	Automotive coolant	Resident	No further action required
6/18/2020	1472 S Vaughn Cir	Oil	Waste Connections	No further action
6/22/2020	3025 S Cathay Cir	Concrete waste	Resident	No further action required
7/7/2020	E Mississippi Ave and S Tower Rd	Squeegee in storm sewer/ broken line	COA	COA repaired pipe and removed squeegee.
7/9/2020	E 4th Ave and Sable Blvd	Automotive fluid	Private	Mitigated by responsible party
7/23/2020	18884 E. Colorado Drive	Automotive fluid	Resident	Mitigated by responsible party
7/23/2020	2073 S. Pagosa Street	Wash rinse water	Resident	No further action required
7/23/2020	2440 S Salida Way	Concrete waste	AA Concrete	Mitigated by COA
7/23/2020	1701 S Havana	Paint	Lowe's	Mitigated by Lowe's
7/23/2020	16862 E Wyoming Circle	Automotive fluid	Private	Mitigated by COA Fire Department
7/23/2020	Sable Ditch between 17 <sup>th</sup> and 18 <sup>th</sup>	Paint/ not determined	Unknown	Intermittent and dispersed unable to contain
7/25/2020	22 <sup>nd</sup> and Dayton Street	Automotive fluid	Unknown	Mitigated by Custom Environmental
8/10/2020	362 Norfolk Street	Automotive fluid	Private	Mitigated by responsible party
8/26/2020	9075 E Colfax Ave	grease	Owner	Mitigated by responsible party
8/27/2020	9355 E Montview Blvd	Diesel	Unknown	Mitigated by Custom Environmental
8/28/2020	14701 E Colfax Ave	Paint	Unknown	Dry paint
9/4/2020	11809 E. Colfax Ave	Sanitary waste	La Machaca Restaurant	Mitigated by owner
9/6/2020	19500 E. 23rd Ave	Automotive fluid	UPS	Mitigated by Custom Environmental
9/10/2020	19348 E Brown Dr	Oil	Unknown	Absorbent cleaned up by others
9/12/2020	181 N Fulton St	Diesel	Unknown	Mitigated by Custom Environmental
9/15/2020	26102 E Geddes Circle	Automotive fluid	Unknown	Educational Flyers on vehicles
9/18/2020	3475 Salida Ct	Sanitary waste	Home Depot	Mitigated by responsible party, TCH notified

Table 8-3 continued

<b>Date</b>	<b>Incident Location</b>	<b>Material</b>	<b>Responsible Party</b>	<b>Resolution</b>
10/19/2020	18680 E Iliff Ave	Sanitary waste	Owner	Mitigated by responsible party, TCH notified
11/23/2020	7413 S Queensberg St	Concrete sealer	Denver Concrete	Mitigated by responsible party
11/24/2020	15607 E Seventh Ave	Automotive fluid	Resident	Educational flyers on door
12/7/2020	1664 S Havana Street	Automotive fluid	Resident	Mitigated by responsible party
12/8/2020	980 Oakland St	Automotive fluid	Resident	Mitigated by responsible party
12/24/2020	14651 E Colfax Ave	Automotive fluid	Advance Auto Parts	Mitigated by responsible party

## PART I.F.9 REPORT ON WET WEATHER MONITORING PROGRAM

*Part I.F.9 states, "The wet-weather reporting requirements as listed in Part I.D."*

*Part I.D.2 defines reporting and evaluation requirements of the wet-weather monitoring program, and includes: "(1) a summary of the cooperative efforts of the monitoring subgroup of the South Platte Urban TMDL/Watershed Project; (2) tabulated data generated from the monitoring program; and, (3) a summary of the monitoring program work to date, any problems with the protocol or selected sampling locations, and recommendations for any changes in the monitoring program."*

A report is being supplied under separate cover from the Mile High Flood District (MHFD) regarding the wet weather monitoring program activities for 2020.

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## PART I.F.10 IDENTIFICATION OF WATER QUALITY IMPROVEMENTS OR DEGRADATION

*Part I.F.10 states, "Identification of Water Quality Improvements or Degradation;"*

The City's water quality improvements or degradation are listed under the respective Stormwater Management Programs.

## PART I.G.1 CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person who manages the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signed: \_\_\_\_\_



Printed Name and Title: Nancy Freed, Deputy City Manager

Date: March 4, 2021